

SEQUENCE LISTING

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<120> Helicobacter pylori live vaccine

<130> P564-9008

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 <140> 09/284,233
 <141> 1999-07-28

<150> PCT/EP97/04744
 <151> 1997-09-01

<150> EP/96 116 337.5
 <151> 1996-10-11

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<170> PatentIn Ver. 2.1

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ccg ggt aaa atc aaa gcc gaa tta gcc ggc ttg tta aac tct acc 192
 Pro Gly Lys Ile Lys Ala Glu Glu Leu Ala Gly Leu Leu Asn Ser Thr
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 65 70 75 80

gcc ggg act ttg ggc aac ctt ttt atg aac caa tta ggc aat ttg att 288
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NOV 26 1999

TECH CENTER 1600/2900

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 115 120 125

gct act act agc aat aag cct tgg ttc caa ggt aac ctg gat ctt tat 432
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 Arg Lys Met Val Asp Ser Ile Lys Thr Leu Ser Gln Asn Ile Ser Lys
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 165 170 175

cag ctc agt gag ctt aac acc gct agc gtt tat ttg act tac atg aac 576
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Asp Thr Tyr Ile Ser Thr Leu Arg Asn Ser Ser Gln Leu Ala Ser Arg
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cag ctc ggg caa gtc atg caa gat gtc caa aac cca ggc ggc gct aaa 144
Gln Leu Gly Gln Val Met Gln Asp Val Gln Asn Pro Gly Gly Ala Lys
35 40 45

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 Phe Ser Gln Tyr Leu Tyr Ser Leu Leu Gly Ala Tyr Pro Thr Lys Leu
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 aat ggt agc gat gtg tct gcg aac gct ctt tta agt ggt gcg gta ggc 336
 Asn Gly Ser Asp Val Ser Ala Asn Ala Leu Leu Ser Gly Ala Val Gly
 100 105 110

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 Ser Gly Thr Cys Ala Ala Ala Gly Thr Ala Gly Gly Thr Ser Leu Asn
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 130 135 140

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 195 200 205

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 260 265 270

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 Gln Ala Val Tyr Asn Glu Leu Thr Lys Asn Thr Ile Ser Gly Ser Ala
 275 280 285

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 Gly Phe Arg Ser Thr Gln Asn Asn Val Gly Leu Tyr Thr Tyr Gly Val
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 Gly Thr Asp Val Leu Tyr Asn Ile Phe Ser Arg Ser Tyr Gln Asn Arg
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 420 425 430

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 Val Glu Phe Gly Val Val Val Pro Thr Ile Tyr Asn Thr Tyr Tyr Lys
 485 490 495

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Phe Ser Gln Tyr Leu Tyr Ser Leu Leu Gly Ala Tyr Pro Thr Lys Leu
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Gly Asn Val Phe Phe Asn Ala Met Asn Lys Ala Leu Glu Asn Lys Asn
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Ile Leu Asn Asn Ala Ala Asn Leu Leu Lys Gln Asp Glu Leu Leu Leu
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Gly Thr Asp Val Leu Tyr Asn Ile Phe Ser Arg Ser Tyr Gln Asn Arg		
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